Claims

1. A method for providing Internet broadcasting data, comprising the steps of:

5   a) if a connection request signal is received from a first terminal, determining whether a number of terminals connected to a server is smaller than a threshold value;

b) if the number of the terminals connected to the server is smaller than the threshold value, transmitting
10   broadcasting data to the first terminal; and

c) if the number of the terminals connected to the server is not smaller than the threshold value, leading the first terminal to try to connect a second terminal, wherein the second terminal is one of the terminals connected to the
15   server.

2. The method as recited in claim 1, wherein the step c) includes:

c1) among the terminals connected to the server,
20   selecting the second terminal as a subordinate server; and

c2) transmitting a re-connection leading message having an address of the subordinate server to the first terminal.

3. The method as recited in claim 2, further including
25   the step d) performing the step a) to c) in the subordinate server, when a connection request signal is received from the first terminal.

4. A method for providing Internet broadcasting data,
30   comprising the steps of:

a) transmitting a connection request signal to an Internet broadcasting server;

b) determining whether the received signal from the Internet broadcasting server is broadcasting data or a re-
35   connection leading signal; and

15

c) if the signal received from the Internet broadcasting server is the broadcasting data. displaying the received broadcasting data.

5   5. The method as recited in claim 4, further including the step of, if the signal received from the Internet broadcasting server is a re-connection leading signal, transmitting a connection request signal to the subordinate server, then repeating from the step b).

10

6. The method as recited in claim 4, further including the steps of:

d) at the server, when receiving the connection request signal from the first terminal, determining whether the

15 number of terminals connected to the server are larger than the threshold value;

e) at the server, if the number of the terminals connected to the server are smaller than the threshold value, transmitting broadcasting data to the first terminal; and

20 f) if the number of the terminals connected to the server are larger than the threshold value, leading the terminal to connect to a second terminal which is already connected to the server.

25   7. The method as recited in claim 6, wherein the step f) includes the steps of:

f1) among the terminals connected to the server, selecting the second terminal as a subordinate server; and

f2) transmitting a re-connection leading message having

30 an address of the subordinate server to the first terminal.

8. An Internet broadcasting system, comprising:

a determining means for determining a number of terminals connected to the server are larger than a

35 threshold value when receiving a connection request signal

16

from a first terminal;

a transmission means for transmitting broadcasting data
to the first terminal when the number of terminals connected
to the server are smaller than the threshold value; and

5   a control unit for leading the first terminal to a
second terminal which is already connected to the server,
when the number of the connected terminals are over the
threshold value.

10   9.   The system as recited in claim 8, wherein the
control unit includes:

a means for selecting the second terminal as a
subordinate server, wherein the second terminal is one of
terminals already connected to the server; and

15   a means for generating a re-connection leading message
having an address of the selected subordinate server, and
transmitting it to the first terminal.

10.   The system as recited in claim 8, wherein the
20 transmission means transmits the broadcasting data by using
a transmission control protocol/Internet Protocol (TCP/IP)
protocol.

11.   The system as recited in claim 8, wherein the
25 transmission means transmits the broadcasting data by using
a user datagram protocol (UDP) protocol.

12.   The system as recited in claim 8, wherein the
transmission means transmits the broadcasting data by using
30 an Internet protocol (IP) multicasting protocol.

13.   An Internet broadcasting system comprising:
a connection request means for requesting a connection
to an Internet broadcasting server;

35   a receiving means for transmitting a re-transmitting

17

leading signal to the connection request means when a re-
connection leading signal is received from the Internet
broadcasting server and for transmitting a broadcasting data
to be displayed when the broadcasting data is received from
5 the Internet broadcasting server;

a display means for displaying the broadcasting data
received from the receiving means; and

a repeating means for transmitting the broadcasting
data to the first terminal by receiving the broadcasting
10 data from the broadcasting receiving means, according to the
repeating request signal of the first terminal.

14.   The system as recited in claim 13, wherein the
repeating means includes:

15 a determining means for determining if a number of
connected terminals are over a threshold value;

a transmission means for transmitting the broadcasting
data to the first terminal, if the number of connected
terminals is smaller than the threshold value; and

20 a connection leading means for leading the first
terminal to be connected to a second terminal, if the number
of connected terminal is over the threshold value.

15.   The system as recited in claim 14, wherein the
25 connecting leading means includes:

a selecting unit for selecting the second terminal
which is one of the already connected terminals as a
subordinate server; and

a transmission unit for generating a re-connection
30 leading message having an address of the subordinate server,
and transmitting it to the first terminal.

16.   The system as recited in claim 13, wherein the
transmission means transmits the broadcasting data by using
35 a transmission control protocol/Internet Protocol (TCP/IP)

18

protocol.

17.   The system as recited in claim 13, wherein the transmission means transmits the broadcasting data by using
5   a user datagram protocol (UDP) protocol.

18.   The system as recited in claim 13, wherein the transmission means transmits the broadcasting data by using an Internet protocol (IP) multicasting protocol.

10